



**TROPICAL CYCLONE BULLETIN NO. 9**  
**Typhoon "ODETTE"**

Issued at 8:00 AM, 16 December 2021  
 Valid for broadcast until the next bulletin at 11:00 AM today

<b>"ODETTE" UNDERGOES RAPID INTENSIFICATION AS IT CONTINUES TO APPROACH THE VICINITY OF DINAGAT ISLANDS AND SIARGAO-BUCAS GRANDE ISLANDS</b>	
<b>Location of Center (7:00 AM)</b>	<p style="text-align: center;">Track of Typhoon "ODETTE" {RAI}</p> <p style="text-align: center;">Philippine Atmospheric Geophysical and Astronomical Services Administration</p>
The center of the eye of Typhoon "ODETTE" was estimated based on all available data including those from Hinatuan Doppler Weather Radar at <b>265 km East of Surigao City, Surigao del Norte (9.5°N, 128.5°E)</b>	
<b>Intensity</b>	
Maximum sustained winds of <b>165 km/h</b> near the center, gustiness of up to <b>205 km/h</b> , and central pressure of <b>950 hPa</b>	
<b>Present Movement</b>	
<b>West Northwestward at 25 km/h</b>	
<b>Extent of Tropical Cyclone Winds</b>	
<b>Strong winds or higher</b> extend outwards up to <b>480 km</b> from the center	

<b>TRACK AND INTENSITY FORECAST</b>						
Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
<b>12-Hour Forecast</b> 5:00 PM 16 December 2021	9.9	125.4	Over the coastal waters of Surigao City, Surigao del Norte	185	TY	W 25
<b>24-Hour Forecast</b> 5:00 AM 17 December 2021	10.2	122.1	75 km Southwest of Iloilo City	155	TY	W 30
<b>36-Hour Forecast</b> 5:00 PM 17 December 2021	10.5	119.4	In the vicinity of Roxas, Palawan	140	TY	W 25
<b>48-Hour Forecast</b> 5:00 AM 18 December 2021	10.9	117.2	210 km Northwest of Puerto Princesa City, Palawan	140	TY	W 20
<b>60-Hour Forecast</b> 5:00 PM 18 December 2021	11.7	114.3	80 km North Northeast of Pag-asa Island, Kalayaan, Palawan (outside the PAR)	130	TY	WNW 25
<b>72-Hour Forecast</b> 5:00 AM 19 December 2021	12.4	112.4	240 km Northwest of Pag-asa Island, Kalayaan, Palawan (outside the PAR)	120	TY	WNW 20
<b>96-Hour Forecast</b> 5:00 AM 20 December 2021	15.1	110.9	575 km Northwest of Pag-asa Island, Kalayaan, Palawan or 975 km West of Central Luzon (outside the PAR)	100	STS	NNW 15
<b>120-Hour Forecast</b> 5:00 AM 21 December 2021	18.0	112.0	910 km West of Northern Luzon (outside the PAR)	35	TS	NE 15

Prepared by: **RPG**

Checked by: **SFD**



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<b>TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT</b>			
<b>TCWS No.</b>	<b>Luzon</b>	<b>Visayas</b>	<b>Mindanao</b>
<p><b>3</b>            (Destructive typhoon-force winds prevailing or expected within 18 hours)</p>	-	<p><b>Southern Leyte, the southern portion of Leyte</b> (<i>Abuyog, Mahaplag, City of Baybay, Inopacan, Hindang, Hilongos, Bato, Matalom, Javier</i>), <b>Bohol</b>, and <b>the central and southern portions of Cebu</b> (<i>Lapu-Lapu City, Cordova, Carmen, Danao City, Compostela, Liloan, Consolacion, Mandaue City, Cebu City, City of Talisay, Minglanilla, City of Naga, San Fernando, Ginatilan, Samboan, Santander, Oslob, Badian, Dalaguete, Alcoy, Boljoon, Malabuyoc, Alegria, Argao, Catmon, Tuburan, Asturias, Sogod, Balamban, Toledo City, Pinamungahan, City of Carcar, Aloguinsan, Barili, Dumanjug, Sibonga, Moalboal, Ronda, Alcantara</i>) <b>including Camotes Islands</b></p>	<p><b>Dinagat Islands, Surigao del Norte, the northern portion of Agusan del Norte</b> (<i>Tubay, Santiago, Jabonga, Kitcharao</i>), and <b>the northern portion of Surigao del Sur</b> (<i>Carrascal, Cantilan, Madrid, Carmen, Lanuza, Cortes, City of Tandag</i>)</p>
<p><b>2</b>            (Damaging gale- to storm-force winds prevailing or expected within 24 hours)</p>	<p><b>Sorsogon, Masbate including Burias and Ticao Islands, Cuyo Islands, Cagayancillo Islands, the southern portion of Oriental Mindoro</b> (<i>Bongabong, Roxas, Mansalay, Bulalacao</i>), and <b>Romblon</b></p>	<p><b>Northern Samar, Eastern Samar, Samar, Biliran, the rest of Leyte, the rest of Cebu including Bantayan Islands, Negros Oriental, Negros Occidental, Siquijor, Guimaras, Iloilo, Antique, Capiz, and Aklan</b></p>	<p><b>The rest of Surigao del Sur, the rest of Agusan del Norte, Agusan del Sur, the northern portion of Bukidnon</b> (<i>Malitbog, Impasug-Ong, Manolo Fortich, Libona, Baungon, Sumilao</i>), <b>Misamis Oriental, Camiguin, the northern portion of Misamis Occidental</b> (<i>Lopez Jaena, Plaridel, Baliangao, Calamba, Sapang Dalaga, Concepcion, Oroquieta City, Aloran</i>), and <b>the extreme northern portion of Zamboanga del Norte</b> (<i>Rizal, Sibutad, Dapitan City, Dipolog City, Polanco, Piñan, La Libertad, Mutia</i>)</p>



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
<b>1</b> (Strong winds prevailing or expected within 36 hours)	<b>Catanduanes, Camarines Norte, Camarines Sur, Albay, Sorsogon, Burias Island, Marinduque, the southern portion of Quezon</b> ( <i>San Antonio, Tiaong, Candelaria, Sariaya, Dolores, Lucena City, Pagbilao, Padre Burgos, Atimonan, Agdangan, Unisan, Gumaca, Plaridel, Pitogo, Lopez, Guinayangan, Buenavista, Catanauan, General Luna, Macalelon, Mulanay, San Narciso, San Andres, San Francisco, Tagkawayan, Calauag, Quezon, Alabat, City of Tayabas, Perez</i> ), <b>Batangas, Oriental Mindoro, Occidental Mindoro, mainland Palawan including Balabac, Calamian, and Kalayaan Islands</b>	-	<b>The northern portion of Davao Oriental</b> ( <i>Baganga, Cateel, Boston</i> ), <b>the northern portion of Davao de Oro</b> ( <i>Laak, Mawab, Nabunturan, Montevista, Monkayo, New Bataan, Compostela</i> ), <b>the northern portion of Davao del Norte</b> ( <i>Talaingod, Santo Tomas, Kapalong, Asuncion, San Isidro, New Corella</i> ), <b>the rest of Misamis Occidental, the rest of Bukidnon, Lanao del Norte, Lanao del Sur, the northern portion of Zamboanga del Norte</b> ( <i>Labason, Kalawit, Tampilisan, Liloy, Salug, Godod, Bacungan, Sindangan, Siayan, Jose Dalman, Manukan, Pres. Manuel A. Roxas, Katipunan, Sergio Osmeña Sr., Gutalac, Baliguian</i> ), <b>the northern portion of Zamboanga del Sur</b> ( <i>Bayog, Lakewood, Kumalarang, Guipos, Mahayag, Dumalinao, Tukuran, Tambulig, Ramon Magsaysay, Aurora, Molave, Sominot, Tigbao, Labangan, Josefina, Pagadian City, Midsalip, Dumingag</i> ), and <b>the northern portion of Zamboanga Sibugay</b> ( <i>Titay, Ipil, Naga, Kabasalan, Siay, Diplahan, Buug</i> )



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**HAZARDS AFFECTING LAND AREAS**

**Heavy Rainfall**

- **Today through tomorrow early morning:** Heavy to torrential rains over Caraga, Central Visayas, Misamis Oriental, Camiguin, Southern Leyte, and Negros Occidental. Moderate to heavy with at times intense rains over Leyte, the southern portions of Eastern Samar and Samar, Zamboanga del Norte, Lanao del Sur, Davao Oriental, Davao de Oro, Davao del Norte, and the rest of Northern Mindanao. Light to moderate with at times heavy rains over Bicol Region, Quezon, and the rest of Visayas, Zamboanga Peninsula, and mainland Bangsamoro.
- **Tomorrow early morning through Saturday early morning:** Heavy to intense with at times torrential rains over Central Visayas, Western Visayas, and Palawan including Calamian Islands, Cuyo, and Cagayancillo Islands. Moderate to heavy with at times intense rains over Bicol Region, Zamboanga Peninsula, Quezon, Occidental Mindoro, Oriental Mindoro, Romblon, Marinduque, Lanao del Norte, Lanao del Sur, and the rest of Visayas. Light to moderate with at times heavy rains over Caraga, the southern portion of Aurora, and the rest of Northern Mindanao.
- **Saturday early morning through Sunday early morning:** Heavy to torrential rains over Kalayaan Islands. Light to moderate with at times heavy rains over mainland Palawan and Calamian Islands.
- Under these conditions, **scattered to widespread flooding (including flash floods) and rain-induced landslides are expected** especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps, and in localities with significant antecedent rainfall.

**Severe Winds**

- Considering the on-going rapid intensification of the typhoon, **there is an increasing likelihood that TCWS #4 will be hoisted** for several localities near and along the immediate path of the typhoon.
- Destructive typhoon-force winds will be experienced within any of the areas where TCWS #3 is in effect. This may bring moderate to heavy damage to structures and vegetation.
- Damaging winds reaching gale- to storm-force strength will be experienced within any of the areas where TCWS #2 is in effect. This may result in generally light to moderate damage to structures and vegetation.
- Strong winds (strong breeze to near gale) with higher gusts will be experienced within any of the areas where TCWS #1 is currently in effect during the passage of the typhoon. This may generally bring up to very light damage to structures and vegetation.

**Coastal Inundation**

There is a **moderate to high risk of storm surge** of up to 3.0 m in height which may cause life-threatening flooding in the low-lying coastal areas of Central Visayas, Northern Mindanao, Iloilo, Guimaras, Negros Occidental, Eastern Samar, Southern Leyte, Dinagat Islands, Surigao del Norte, Surigao del Sur, Agusan del Norte, and several localities in the northern portion of Palawan including Calamian, Cuyo and Cagayancillo Islands, Antique, the southern portion of Samar, Leyte, and Davao Oriental. For more information, refer to Storm Surge Warning #4 issued at 5:00 AM today.

**HAZARDS AFFECTING COASTAL WATERS**

- In the next 24 hours, moderate to very high seas (1.2 to 10.0 m) will be experienced over the seaboard of areas where TCWS is in effect (especially in the open sea areas). **These conditions are risky for all types of sea vessels.** Mariners are advised to remain in port or take shelter in port until winds and waves subside.
- Under the influence of Typhoon “ODETTE” and the prevailing Northeast Monsoon, a **Gale Warning remains in effect** for several coastal waters not under any wind signal, specifically the seaboard of Northern Luzon, and the eastern seaboard of Central and Southern Luzon. For more information, refer to Gale Warning #49 issued at 5:00 AM today.
- In the next 24 hours, moderate to rough seas (1.2 to 3.1 m) will also prevail over the remaining seaboard of the country that are not under any wind signal. **These conditions are risky for those using small seacrafts.** Mariners are advised to take precautionary measures when venturing out to sea and, if possible, avoid navigating in these conditions.



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**TRACK AND INTENSITY OUTLOOK**

- On the forecast track, Typhoon "ODETTE" will continue moving generally westward over the Philippine Sea and the center of its eye is forecast to make its initial landfall in the vicinity of Dinagat Islands, Siargao-Bucas Grande Islands, or the northern portion of Surigao del Sur this noon or early afternoon. Afterwards, the center of "ODETTE" will move westward and cross several provinces in Central and Western Visayas regions before emerging over the Sulu Sea tomorrow morning. After passing near or in the vicinity of either Cuyo or Cagayancillo archipelago, "ODETTE" is forecast to cross the northern or central portion of Palawan tomorrow afternoon or evening before emerging over the West Philippine Sea.
- Typhoon "ODETTE" is forecast to continue intensifying until it makes landfall this afternoon. Considering the recent trend in its intensification, the typhoon may reach a **pre-landfall peak intensity of 175 to 195 km/h** prior to landfall. "ODETTE" may see some slight weakening as it crosses northeastern Mindanao, Visayas, and Palawan, but it is forecast to remain as a typhoon. Re-intensification is likely once "ODETTE" emerges over the West Philippine Sea. However, weakening may ensue beginning Sunday as the typhoon becomes exposed to increasing vertical wind shear and the surge of the Northeast Monsoon.

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 11:00 AM today.

**DOST-PAGASA**